

Designator	Quantity	Manufacturer	Part Number	Description	LibRef
C1, C15	2	Nichicon	UWT1V470MCL1GS	Polarized capacitor, pin1 pos	50571
C2	1	Any	4.7u, 50V, X5R, 1206 (3216 metric) chip capacitor	Ceramic chip capacitor	20078
C3, C8, C9, C10, C11, C31, C35	7	Any	10u, 10V, X5R, 0603 (1608 metric) chip capacitor	Ceramic chip capacitor	20111
C4, C5, C6, C7, C14, C28, C32, C36	8	Any	100n, 50V, X5R, 0603 (1608 metric) chip capacitor	Ceramic chip capacitor	20027
C12, C13, C16, C17, C18, C19, C20, C21, C22, C29, C33, C34, C37, C38	13	Any	100n, 16V, X5R, 0402 (1005 metric) chip capacitor	Ceramic chip capacitor	20000
	5	Any	10n, 50V, X5R, 0603 (1608 metric) chip capacitor	Ceramic chip capacitor	20038
D1	1	ST	SMBJ33A	TVS, Pin1 Cathode	50555
D2, D3	2	Vishay	MSS1P6	Schottky Diode, pin1 cathode	50568
D4, D6, D7	3	Kingbright	KPT-1608SGC	LED, pin 1 cathode	50005
D5	1	Kingbright	KPT-1608EC	LED, pin 1 cathode	50002
D8, D9	2	Littelfuse	SP3304NUTG	TVS Diode Array	50693
J1	1	Metz Connect	AKL320-02	1X2 pin connector	50537
J2, J3	2	Samtec	HLE-122-02-F-DV	Trinamic 44-pin connector	50289
J4	1	Samtec	TSW-108-07-G-D	2x8 pin connector	50576
J5	1	Samtec	TSW-110-07-G-D	2x10 pin connector	50583
J6, J7	2	Samtec	TSW-105-07-G-S	1X5 pin connector	50584
J8	1	Samtec	TSW-104-07-G-S	1X4 pin connector	50585
J9	1	Wuerth	7499021125	Dual LAN-Transformer WE-RJ45LAN 10/100BaseT	50579
JP1, JP2, JP3, JP4, JP5	5	Samtec	TSW-103-07-G-S	Jumper pin header	50570
L1, L4	2	Wuerth	742792651	Ferrite bead	60036
L2, L3	2	Wuerth	744042680	Molded inductor	60034
Q1, Q2, Q3	3	Diodes Inc	BC848A	NPN BJT in 3-pin package, 1B 2E 3C	50574
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	21	Any	0, -, -, 0402 (1005 metric) chip resistor	Chip Resistor	10052
R22	1	Any	1, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10031
R23	1	Vishay	T93YA104KT20	Trimmer potentiometer	50569
R24, R43	2	Any	4.7k, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10032
R25	1	Any	47k5, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10164
R26	1	Any	15k, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10050
R27	1	Any	33, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10170
R30, R31, R32, R33, R35, R42	6	Any	10k, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10028
R34	1	Any	22, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10034
R36, R37, R38, R39	4	Any	1k, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10049
R40, R41	2	Any	2k, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10165
R44, R45	2	Any	510, 1%, 100mW, 0603 (1608 metric) chip resistor	Chip Resistor	10166
S1	1	C&K	KMR241NG	Switch, 4 pin	50573
U1	1	Texas Instrument	LM7805MP/NOPB	LDO in SOT223 package	50548
U2	1	Atmel	AT25128B-SSHL	SPI Serial Flash Memory	50499
U3	1	Trinamic	TMC8462A-BA	Integrated EtherCAT Slave Controller	50844
U4	1	Microchip	24LC64-/SN	I2C serial EEPROM in 8 pin case	50577
Y1	1	Abracon	ASFLMB-25.000MHZ-LR	Standard Clock Oscillators 3.3V 25ppm -40C +85C 15pF	51168